

NAVILITE B 12, 24 & 48 VDC

These lights are devoted to the night marking of all kinds of obstacles with a DC power supply.



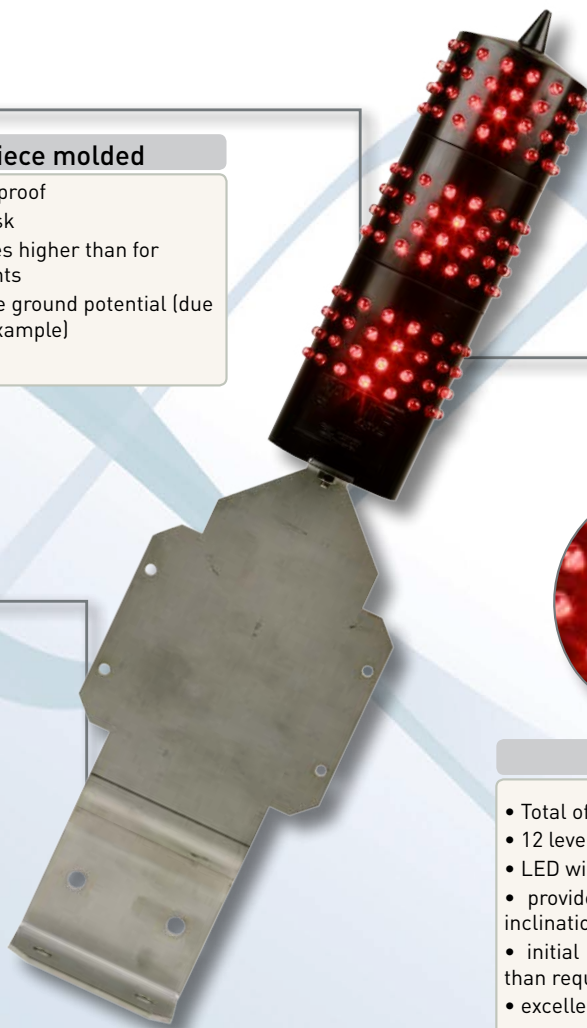
One-piece molded

- perfectly waterproof
- no corrosion risk
- lifetime 10 times higher than for incandescent lights
- no rise from the ground potential (due to lightning for example)
- bird spike



Power supply

- Continuous current 12, 24 and 48 VDC
- optional power supply through via a backup power source for continuity of the marking (batteries) or through solar generator.
- Available with terminal connection or 35cm cable



LED light

- Total of 192 diodes
- 12 levels of 16 LEDs
- LED wiring 4 by 4 in active redundancy
- provide perfect support of the LED inclination angle
- initial light intensity 3 times higher than requested by the standards
- excellent heat dissipation

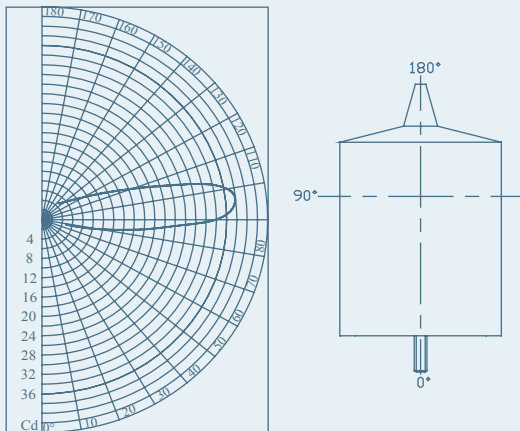
MAIN CHARACTERISTICS

	OBSTA part number	Power supply	Luminous intensity	Electrical current	Nominal power	Theoretical lifetime*
Pod	NAVILITE B 113930	48 VDC	> 35 Cd	250 mA	< 12 W	decades
	NAVILITE B 113931	24 VDC	> 35 Cd	500 mA	< 12 W	
	NAVILITE B 113932	12 VDC	> 35 Cd	1 A	< 12 W	
Cable	NAVILITE B 113935	48 VDC	> 35 Cd	250 mA	< 12 W	

* given by LED manufacturer

ADDITIONAL FEATURES

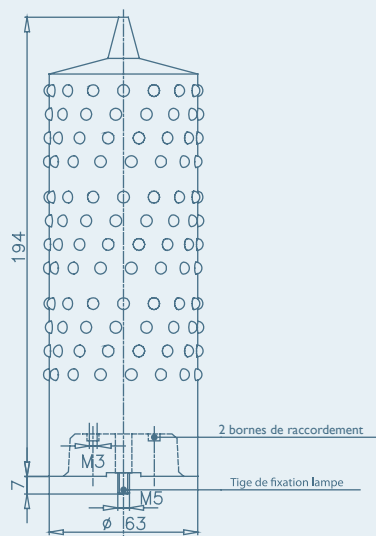
LIGHT INTENSITY DIAGRAM



	NAVILITE Type B
IP degree	66
Operating temperature	-40° + 55°C
Power supply	12, 24, 48 VDC (+/-10%)
Light weight	0.92kg (excluding fixing bracket*)
Attachment	by screw M5 (provided)
Maintenance	none

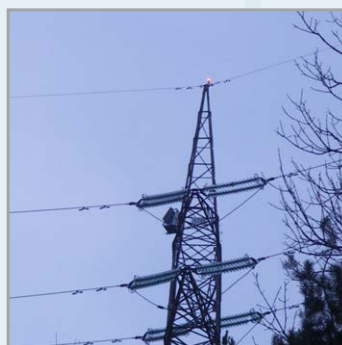
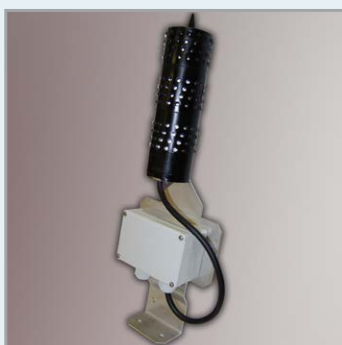
* The weight of the fixing bracket is 0.75kg

DIMENSIONS (In mm)



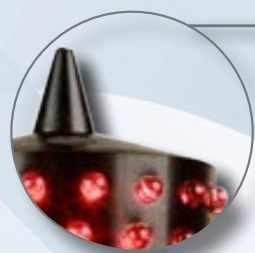
INSTALLATION ACCESSORIES (optional)

- Stainless steel mounting bracket - ref. 113920
- Monitoring box - ref. 113941, for 2 NAVILITE B 48V beacons (simultaneous or normal/backup) with integrated photocell switch (see page 24)
- Battery Cabinet with 12 hours power backup (see page 50)
- Solar kit (see page 53)
- External 230V power supply (ref. 113911) for one NAVILITE (ref. 113930).
- Junction box (ref. 113943) with 3 glands



NAVILITE B 230 VAC

These lights are devoted to the night marking of all kinds of obstacles with a 230 VAC power supply.
FAA L810



One-piece molded

- Perfectly waterproof
- no corrosion risk
- lifetime 10 times higher than for incandescent lights
- no rise from the ground potential (due to lightning for example)
- increased reliability
- bird spike



Power supply

- Modular design with separate power supply in a polycarbonate housing mounted on a stainless steel bracket
- 230VAC power transformer providing galvanic isolation with the light



LED light

- Total of 192 diodes
- 12 levels of 16 LEDs
- LED wiring 4 by 4 in active redundancy
- provide perfect support of the LED inclination angle
- initial light intensity 3 times higher than requested by the standards
- excellent heat dissipation
- supplied with molded cable

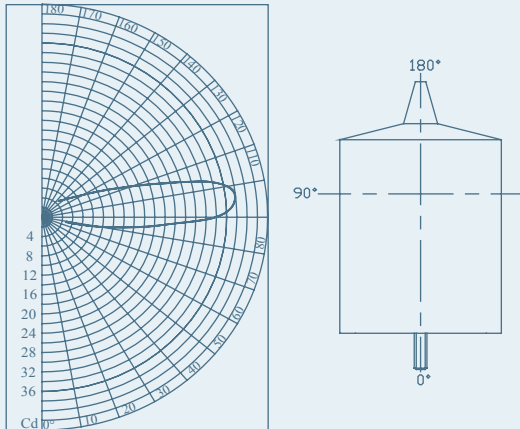
MAIN CHARACTERISTICS

OBSTA part number	Power supply	Luminous intensity	Electrical current	Nominal power	Theoretical lifetime*
NAVILITE B 113939	230 VAC	> 35 Cd	200 mA	< 12 W	decade

* given by LED manufacturer

ADDITIONAL FEATURES

LIGHT INTENSITY DIAGRAM

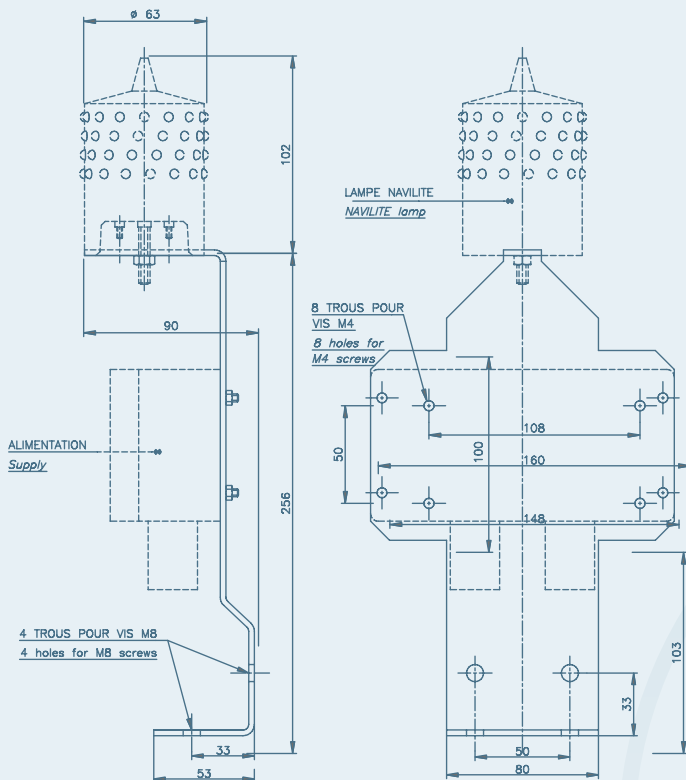


	NAVILITE Type A
IP degree	66
Operating temperature	-40° + 55°C
Power supply	230 VAC (+/-10%)
Weight (light)	0.92kg (excluding fixing bracket*)
Weight (light + power supply)	1.79kg (excluding fixing bracket*)
Attachment	by screw M5 (provided)
Maintenance	none

* The weight of the fixing bracket is 0,75kg

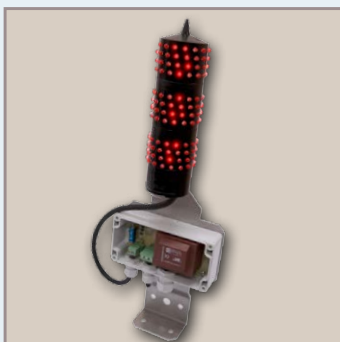
DIMENSIONS (In mm)

Fixing bracket



COMPOSITION

- Stainless steel mounting bracket - ref. 113920
- 230V power supply for one NAVILITE HI - ref.13911 (spare part)
- NAVILITE HI 48VDC with 35 cm of molded cable - ref.113935 (spare part)



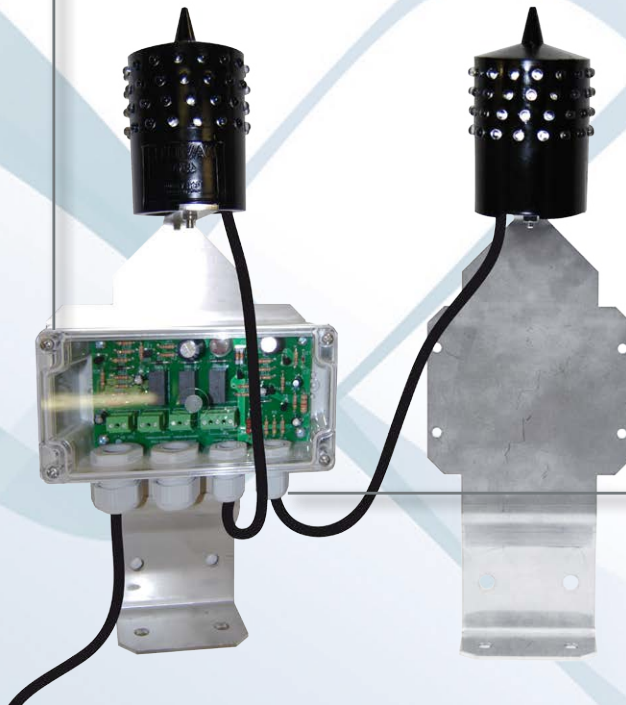
NAVILITE ACCESSORIES

Monitoring and control boxes offered with the NAVILITE are designed for an easy use and installation follow up on the complete obstruction lights system.



Control Box

- Polycarbonate box
- Junction and control of 1 or 2 NAVILITE 48VDC or 12 VDC beacons
- Redundancy wiring (one main light and one backup light) or wiring for 2 lights working simultaneously
- Integrated photocell switch to automatically pass the system from night/day mode.
- Alarm monitoring in case of failure of the lights or failure of power supply.
- Switch from main light to backup one in case of failure.



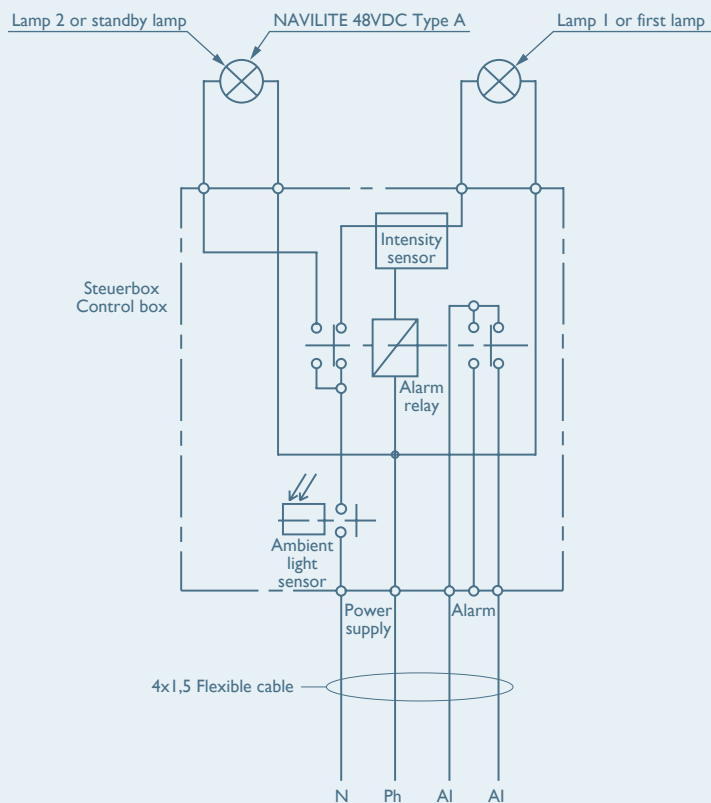
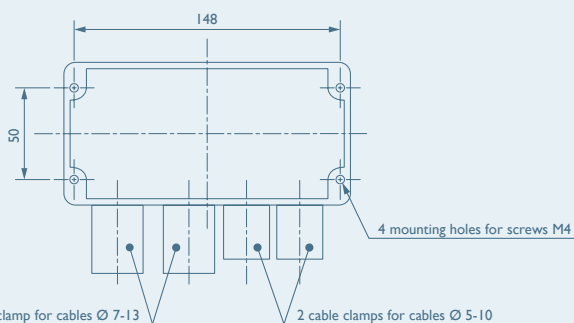
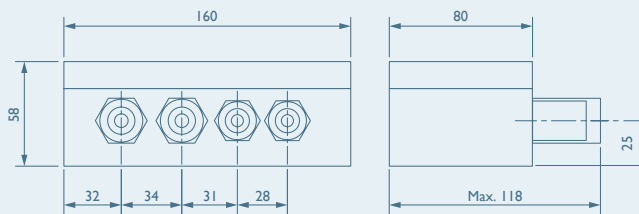
4 inputs for wiring

- 2 inputs for lights
- 1 input for power supply or alarm
- 1 input for connection with other control/junction box

OBSTA part number	Description
113940	Monitoring box allowing the control and the wiring of 1 or 2 NAVILITE 48VDC beacon (ref. 113900), working at night only or continuously, plugged to work simultaneously or in redundancy (a main light and 1 backup) with remote signalization in case of failure of the light or of the 48VDC supply
113941	Monitoring box allowing the control and the wiring of 1 or 2 NAVILITE B 48VDC beacon (ref. 113930), working at night only or continuously, plugged to work simultaneously or in redundancy (a main light and a backup) with remote signalization in case of failure of the light or of the 48VDC supply
113942	Monitoring box allowing the control and junction of 2 NAVILITE 12VDC beacons (ref.113903), working on solar generator in redundancy (1 main light and one backup light)
113911	Power supply enclosure 230VAC for one NAVILITE B 48VDC beacon, code 113930 or 3 NAVILITE 48VDC beacons (ref. 113900)

ADDITIONAL FEATURES

WEIGHT AND DIMENSIONS (in mm)



The number of cable entries are mentioned below

IP degree (in vertical position)	65
Power Cable diameter	from 7 to 13 mm
Wire cross section	from 1 to 2.5 mm ²
Attachment	4 screws type M4

Command base

Reference	Voltage	Weight	Number or cable entries	Lighth	Night working*	Lights in redundancy*	Remote alarm and power supply
113940	48VDC	0.30 kg	4	1 or 2 NAVILITE 48V 113900	yes	yes	yes
113941	48VDC	0.30 kg	4	1 or 2 NAVILITE 48V 113930	yes	yes	yes
113942	12VDC	0.25 kg	3	1 or 2 NAVILITE 12V 113903	yes	yes	no

For command base ref. 113940 and 113941, 2 dipswitches allow to configure "night only operation or day and night", and "2 lights one main and one back-up or working simultaneously"

230 VAC power

Reference	Input Voltage	Output Voltage	Weight	Number of cable entries	Light
113911	230 VAC	48V	0.90 kg	3	1 NAVILITE 48V (ref. 113930) or 3 NAVILITE 48V (ref. 113900)

Junction box

Reference	Input Voltage	Output Voltage	Weight	Number of cable entries	Light
113943	all	all	0,40 kg	3	all kind of light

48VDC battery cabinet see page 50